

<110> GENOMINE INC.

KOREA RESEARCH INSTITUTE OF CHEMICAL TECHNOLOGY

<120> Polypeptide Having Function of Cinnamyl Alcohol Dehydrogenase, a  
Polynucleotide Coding the Polypeptide and Those Uses

<150> KR 10-2004-0013086

<151> 2004-02-26

<160> 6

<170> KopatentIn 1.71

<210> 1

<211> 1205

<212> DNA

<213> Arabidopsis thaliana

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atcgccatcat ggctcgtcaa gttcctactt agccgtgggt acactgttaa ggctccgctc 180

cgtgatccca gtgatccgaa aaagacacaa cacttagttt cactagaagg tgcaaaggaa 240

agacttcact tgttcaaagc agaccttttg gaacaagggt ctttcgactc tgctattgat 300

ggttgccatg gagttttcca cactgcttct ccatttttta atgatgccaa agaccacag 360

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aaggaaaaag gtttcgcaca gttctgagaa agcatttgag ccaatggatt taatccagat	1080
tagataaagt atttgaaga ctatttcaaa aataatatit ggaacatgtc aatgtttctca	1140
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 <211> 326  
 <212> PRT  
 <213> Arabidopsis thaliana

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Gly Tyr Ile Ala Ser Trp Leu Val Lys Phe Leu Leu Ser Arg Gly Tyr  
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Thr Val Lys Ala Ser Val Arg Asp Pro Ser Asp Pro Lys Lys Thr Gln  
 35 40 45

His Leu Val Ser Leu Glu Gly Ala Lys Glu Arg Leu His Leu Phe Lys  
 50 55 60

Ala Asp Leu Leu Glu Gln Gly Ser Phe Asp Ser Ala Ile Asp Gly Cys  
 65 70 75 80

His Gly Val Phe His Thr Ala Ser Pro Phe Phe Asn Asp Ala Lys Asp  
 85 90 95

Pro Gln Ala Glu Leu Ile Asp Pro Ala Val Lys Gly Thr Leu Asn Val  
 100 105 110

Leu Asn Ser Cys Ala Lys Ala Ser Ser Val Lys Arg Val Val Val Thr

115	120	125	
Ser Ser Met Ala Ala Val Gly Tyr Asn Gly Lys Pro Arg Thr Pro Asp			
130	135	140	
Val Thr Val Asp Glu Thr Trp Phe Ser Asp Pro Glu Leu Cys Glu Ala			
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Ser Lys Met Trp Tyr Val Leu Ser Lys Thr Leu Ala Glu Asp Ala Ala			
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Trp Lys Leu Ala Lys Glu Lys Gly Leu Asp Ile Val Thr Ile Asn Pro			
180	185	190	
Ala Met Val Ile Gly Pro Leu Leu Gln Pro Thr Leu Asn Thr Ser Ala			
195	200	205	
Ala Ala Ile Leu Asn Leu Ile Asn Gly Ala Lys Thr Phe Pro Asn Leu			
210	215	220	
Ser Phe Gly Trp Val Asn Val Lys Asp Val Ala Asn Ala His Ile Gln			
225	230	235	240
Ala Phe Glu Val Pro Ser Ala Asn Gly Arg Tyr Cys Leu Val Glu Arg			
	245	250	255
Val Val His His Ser Glu Ile Val Asn Ile Leu Arg Glu Leu Tyr Pro			
260	265	270	
Asn Leu Pro Leu Pro Glu Arg Cys Val Asp Glu Asn Pro Tyr Val Pro			

275 280 285

Thr Tyr Gln Val Ser Lys Asp Lys Thr Arg Ser Leu Gly Ile Asp Tyr

290 295 300

Ile Pro Leu Lys Val Ser Ile Lys Glu Thr Val Glu Ser Leu Lys Glu

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<213> Artificial Sequence

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<223> Sense Primer

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<213> Artificial Sequence

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<223> Antisense Primer

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<210> 5

<211> 31

<212> DNA

<213> Artificial Sequence

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<210> 6

<211> 29

<212> DNA

<213> Artificial Sequence

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<223> Antisense Primer

<400> 6

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